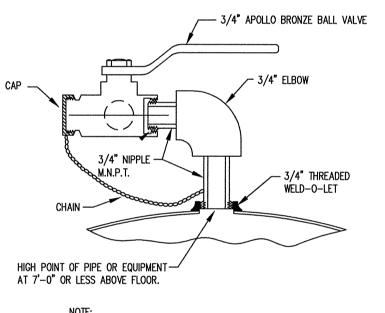
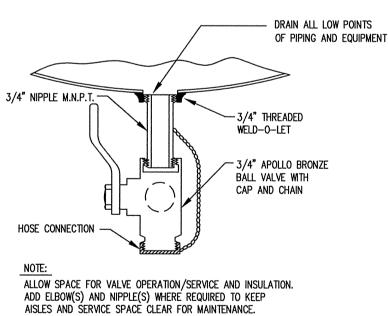


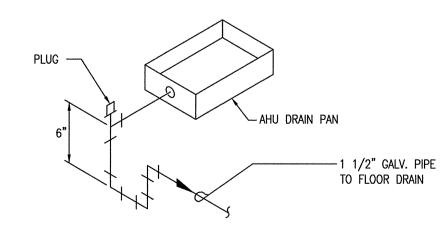
LOW PRESSURE END OF MAIN DRIP DETAIL

N.T.S.







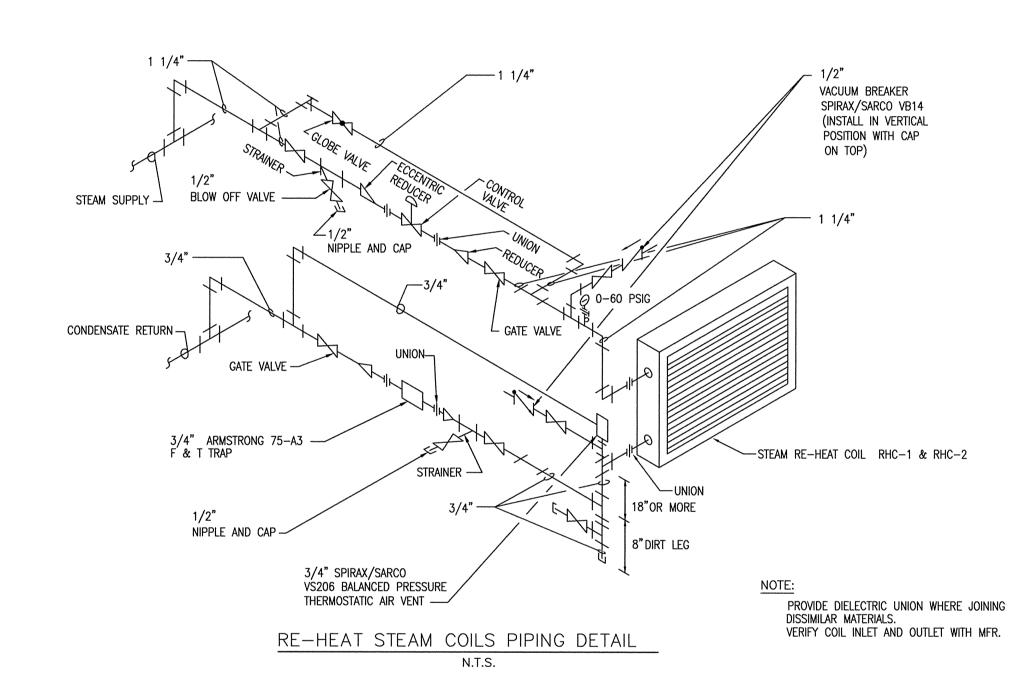


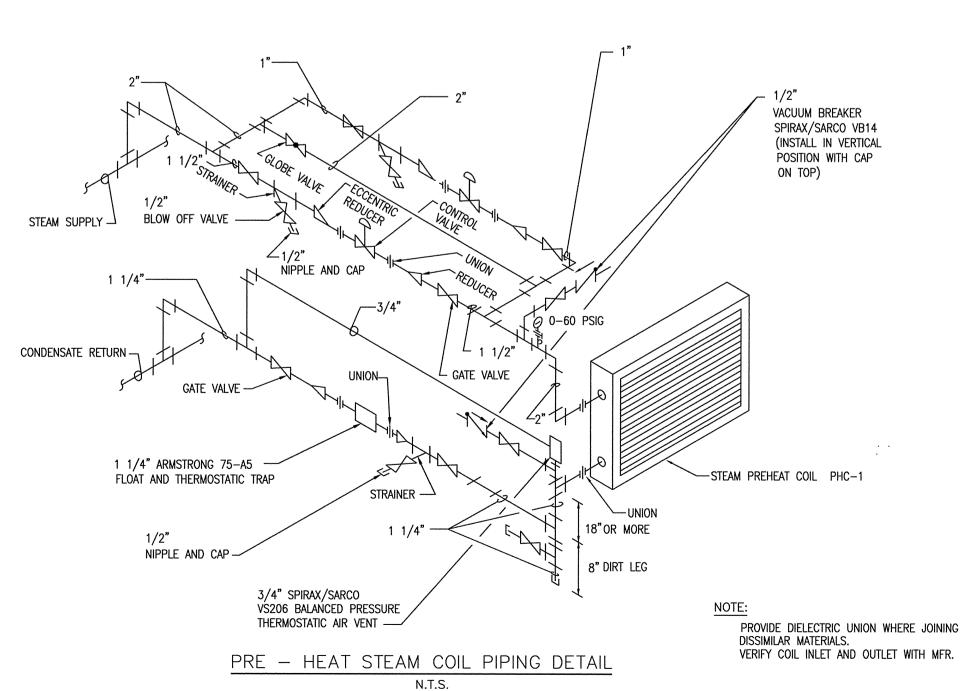
CONDENSATE DEW DRAIN PIPING DETAIL

SEQUENCE OF OPERATION

1. SUPPLY FAN START WILL FULLY OPEN THE FACE DAMPERS.

- 2. SUPPLY AIR SENSORS T4 THROUGH RECIEVER CONTROLLER WILL MODULATE FACE AND BY PASS DAMPERS AND SEQUENCE VALVES TO MAINTAIN SUPPLY AIR TEMPERATURE OF 55 DEGREES F.
- 3. OUTSIDE AIR SENSOR T3 WILL RESET THE COILING COIL LEAVING TEMP T4 AS PER DESIGNATED SCHEDULE. T4 WILL THROUGH RECEIVER CONTROLLER WILL MODULATE THE COOLING COIL CONTROL VALVE TO MAINTAIN THE SCHEDULE TEMPERATURE. HOWEVER SPACE HUMIDSTSTATS H1,H2 (ALTERNATE ONE) WILL OVERRIDE THE T4 SENSOR SIGNAL AND MODULATE THE COILING COIL CONTROL VALVE TO MAINTAIN THE MINIMUM 50% RELATIVE HUMIDITY.
- 4. SPACE THERMOSTATS T1,T2, WILL MODULATE CONTROL VALVES ON RE-HEAT COILS TO MAINTAIN SPACE DESIGN TEMPERATURE. SPACE HUMIDISTATS H1,H2 (ALTERNATE 1) WILL MODULATE THE STEAM HUMIDIFIER CONTROL VALVE TO MAINTAIN A MINIMUM 30% RELATIVE HUMIDITY IN THE SPACE. SUBJECT TO A DISCHARGE HIGHLIMIT OF 85% RH (H3, H4).
- 5. THE FOLLOWING ALARM CONDITIONS SHALL SHUT DOWN THE SUPPLY FAN:
 - a.) LOW SUPPLY TEMPERATURE BELOW 38 DEGREES F.
 - b.) SMOKE DETECTOR
 - C.) DIRTY FILTERS





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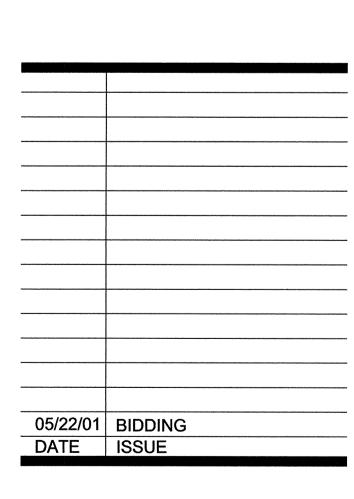


Renovations New Clean Room Building # 350

> 9800 S. Cass Ave. Argonne, Illinois 60439

NOTE:

ALL WORK SHOWN IN THIS DRAWING SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATION DOCUMENT NO. DE-FB02-01-CH11081



MECHANICAL DETAILS

PROJECT NO: 01-100